

## ABSTRACT

5        In a method of producing biogas by anaerobic diges-  
tion of organic matter, organic matter dried to a dry  
solids content of at least 50% by weight TS and pelletis-  
ed is mixed with a liquid to form a slurry. The slurry  
is contacted with biogas-producing bacteria for digestion  
under anaerobic conditions in a reactor (102) while pro-  
10        ducing biogas.

      A device (100) for producing biogas by anaerobic  
digestion of organic matter comprises a sealable, essen-  
tially gas-tight reactor (102) having an inlet (104) for  
organic matter and outlets (106, 108) for produced biogas  
15        and formed digested sludge. The device (100) comprises a  
premixing tank (118) for mixing organic matter dried to  
a dry solids content of at least 50% by weight and pel-  
letised, with a liquid to a slurry and a feed pipe (104)  
for feeding the slurry to the reactor (102).